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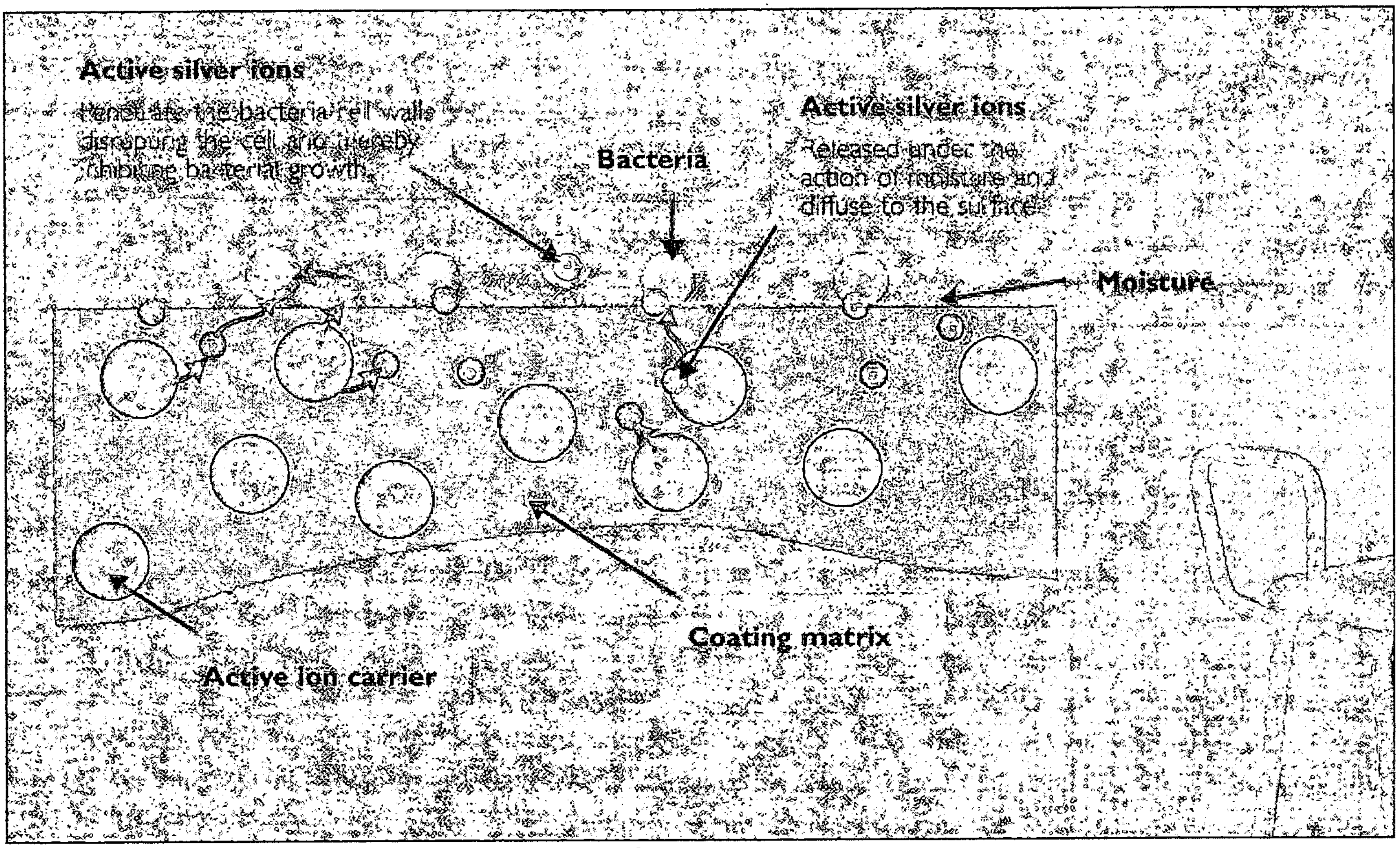
Interpon Antibacterial Powder Coating

In today's Hospitals and Aged Care facilities, there is an increasing awareness of the need to limit the spread of bacteria-related illness. Not only do these illnesses increase the possibility of further health complications for patients, they also cost the Healthcare industry time and money.

Antibacterial powder coating technology has been successfully utilised in the past by domestic appliance manufacturers, where limiting bacterial growth is a necessary contributor to their hygenic use. Now with the support of the world's largest powder coating manufacturer Akzo Nobel, K Care is introducing this innovative concept to the Australian Healthcare industry.


Active silver ions
Penetrate the bacteria cell walls disrupting the cell and thereby inhibiting bacterial growth
Bacteria
Active silver ions
Released under the action of moisture and diffuse to the surface
Moisture
Coating matrix
Active ion carrier

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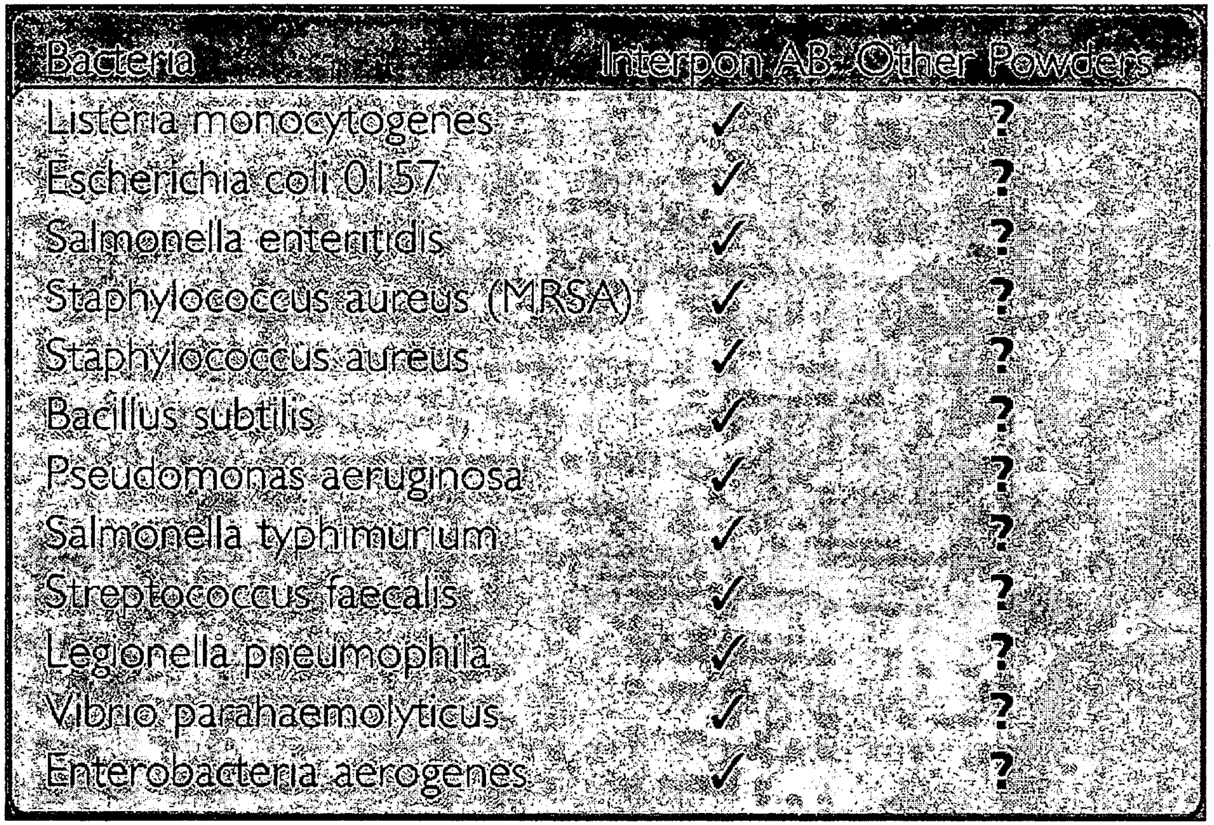
Interpon AB powder coating contains silver ions which when in the prescence of moisture, are released and diffuse to the surface. These silver ions are then absorbed through the thin bacteria cell walls where they inhibit the growth of the organism by disrupting the vital cellular activities and destroying bacterial function.

Silver is a well documented bactericide that is not harmful to human health and does not promote resistance in bacterium.

Interpon AB complements good hygiene practices and should never be used to reduce or replace existing cleaning programs.

Interpon AB
Antibacterial Powder Coating

An independent laboratory has carried out tests on Interpon's AB powder coating to the internationally recognised Standard JIS 2801:2000. The results exhibited up to a 99.9% reduction in bacterial population across the following species.



Bacteria	Interpon AB	Other Powders
Listeria monocytogenes	✓	?
Escherichia coli 0157	✓	?
Salmonella enteritidis	✓	?
Staphylococcus aureus (MRSA)	✓	?
Staphylococcus aureus	✓	?
Bacillus subtilis	✓	?
Pseudomonas aeruginosa	✓	?
Salmonella typhimurium	✓	?
Streptococcus faecalis	✓	?
Legionella pneumophila	✓	?
Vibrio parahaemolyticus	✓	?
Enterobacteria aerogenes	✓	?

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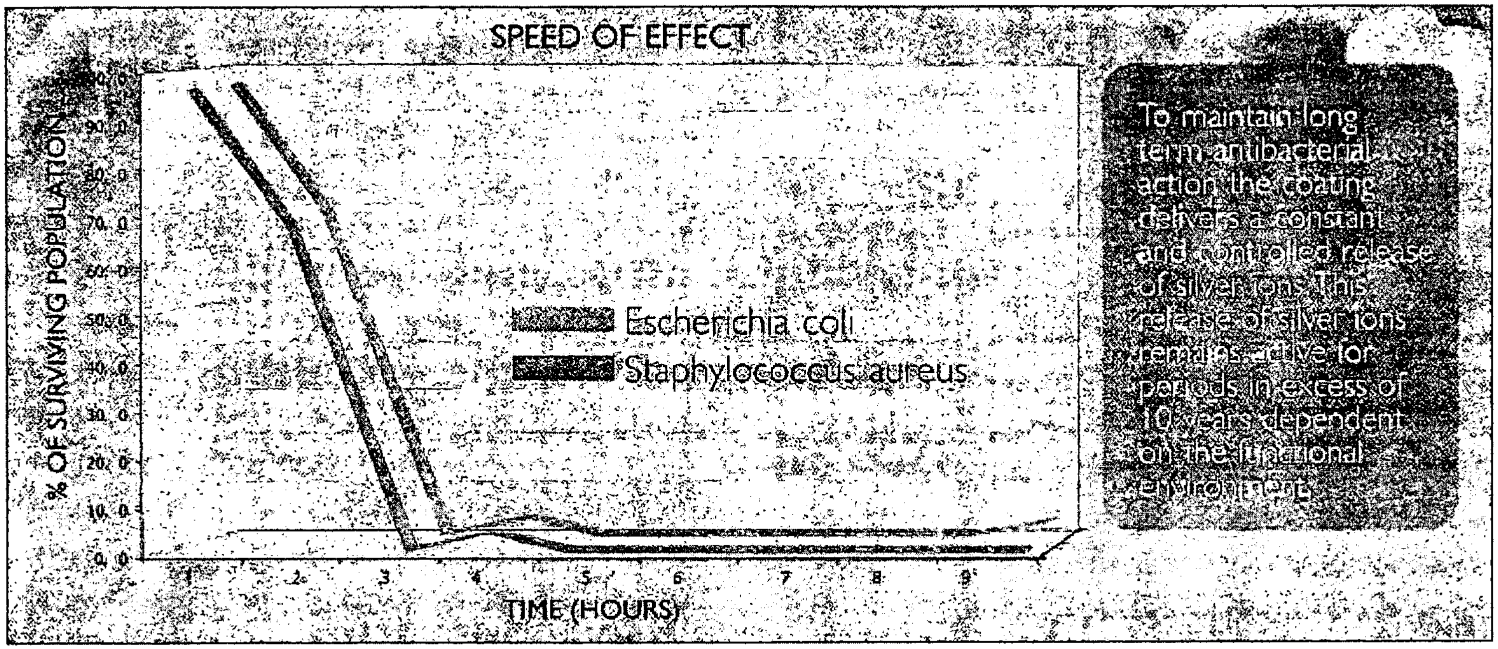
Interpon AB in independent laboratory tests, has been shown to achieve an effective reduction if bacteria within 4 hours of innoculation.



To maintain long term antibacterial action the coating delivers a constant and controlled release of silver ions. This release of silver ions remains active for periods in excess of 10 years dependent on the situational environment.

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This unique powder coating technology is available as standard on the following bathroom and toileting products:

- KA220ZA Shower Chair
- KA222ZA Shower Stool
- KA222ZA Maxi Shower Stool
- KA230Z Mobile Economy Shower Chair
- KA410Z Toilet Seat Raiser
- KA430Z Folding Toilet Seat Raiser
- KA440 Toilet Surround

- Downloaded from: http://www.landm.com.au/antibacterial.html

Active Quartermaster

Antibacterial

Be safe be anti-bacterial

Is it effective?

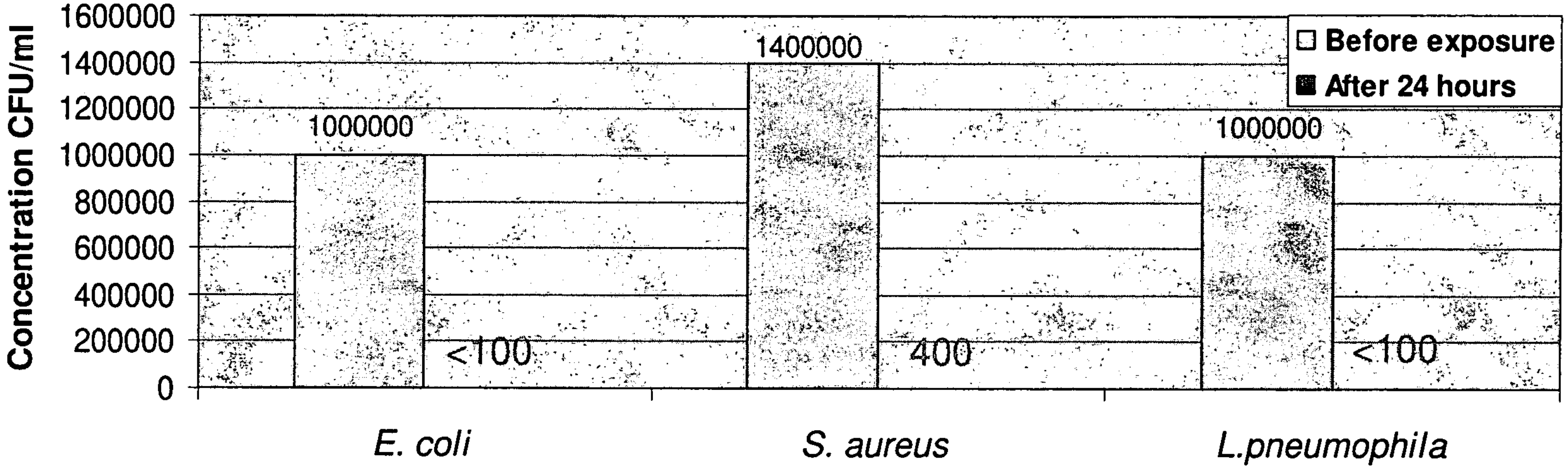
The prestigious Louis Pasteur Institute have tested it and found it to be so, their results are presented in the graphs.

ACTIVE Laboratory Testing

Results

- ☐ Typical effect of RILSAN ® ACTIVE ® T grey 7546 SA on micro-organisms contamination on coating surface (according to JIS Z 2801 : 2000)

Rilsan®ACTIVE® effect on microorganisms on coating surface



- **More than 99.99 % Cfu/ml** (colony forming unit per ml) **decrease in 24 hours**

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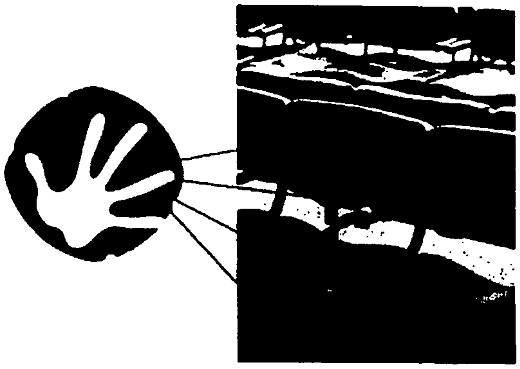
Why antimicrobial Safer to Touch Polygiene Effect **Validation**
MRSA SARS **Test institutes & standards**

Inhibiting
the growth
of microbes



Test institutes & standards

Testing of Polygiene has been carried out at the following independent institutes:

The Medical Institute of Microbiology, University of Milan, Italy
The Virology Institute, University of Catania, Italy
The Swedish Institute for Food and Biotechnology (SIK), Gothenburg, Sweden
LawLabs, Birmingham, UK
IMSL, Berkshire, UK
Institute of Microbiology and Epidemiology, Military Academy of Medical Science, Beijing, China

The following standards have been implemented during testing:

For hard surfaces: JIS 2801
For textiles ATCC 100

Polygiene Technology

Polygiene is a breakthrough, patented antimicrobial technology that employs ionic silver to inhibit the growth of micro-organisms. Independent tests have shown the technology to have high efficacy against harmful bacteria and fungi, and even against the SARS Co virus when used with products manufactured from amino moulding compounds.

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